



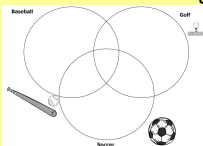
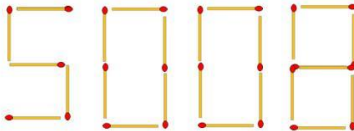



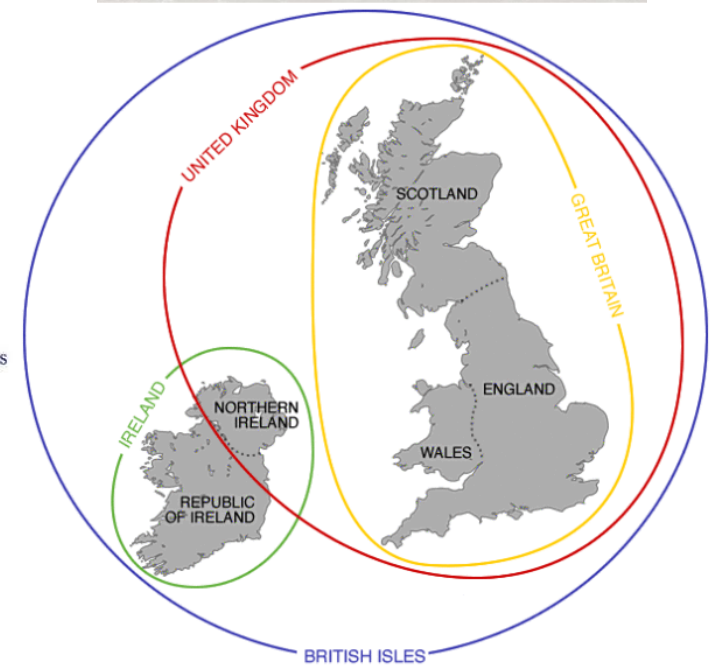
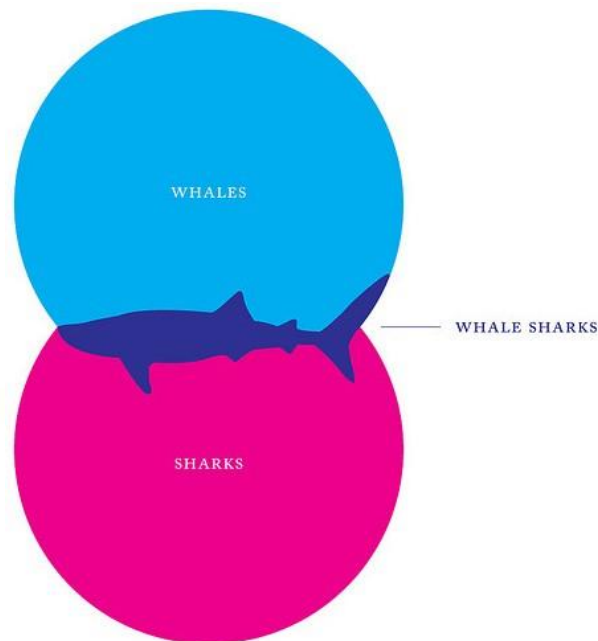
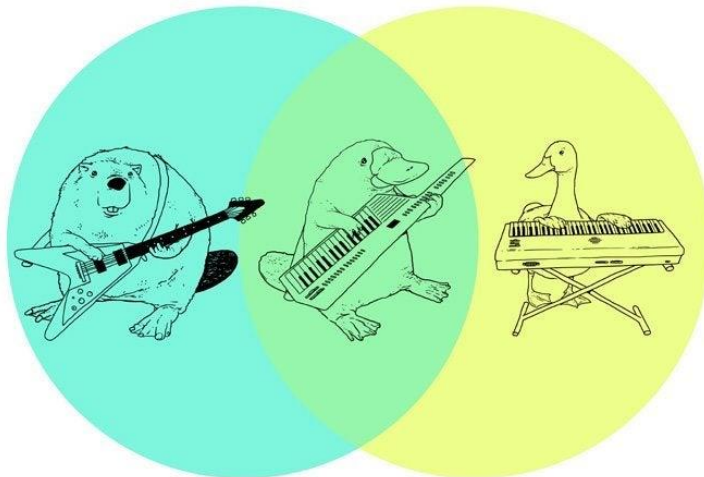
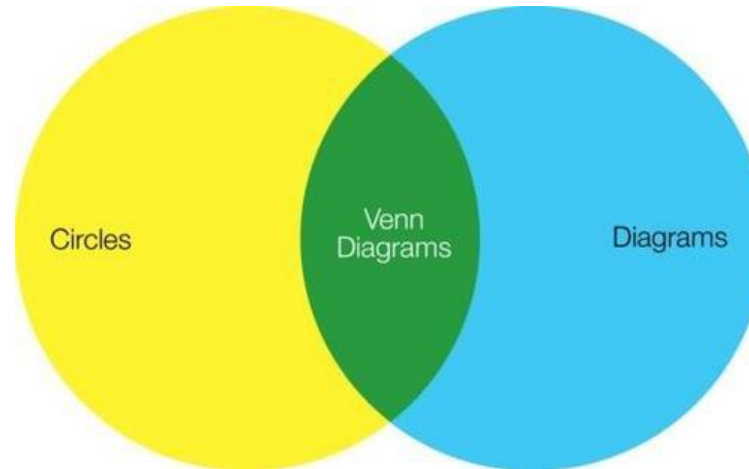
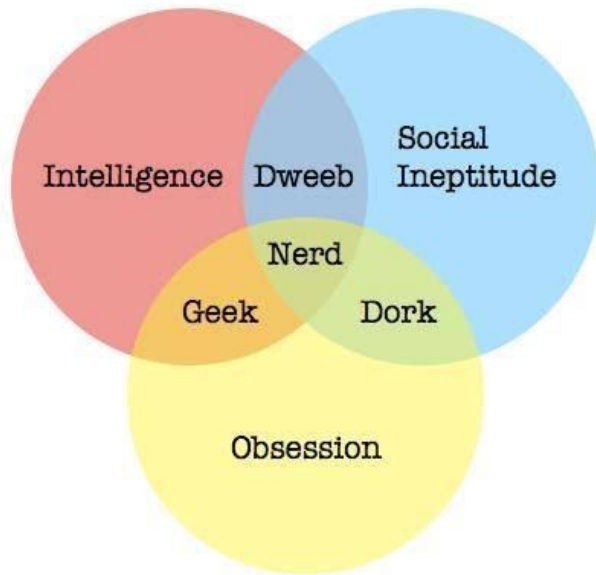
Mr Coles' 10M1 Maths Weekly Task Grid – Week commencing 18th May



Choose 1 purple task, 1 orange task, 1 green task and 2 yellow tasks from the grid. Complete them this week.

<p>Task 1</p> <p>Create mind maps of all the things you already know about Venn Diagrams.</p> <p>When you learn something new, add it to your map.</p> <p>Use a tin of beans to draw circles or just do it carefully freehand.</p>	<p>Task 2</p> <p>Venn Diagrams 2 and then Assessment: Venn Diagrams Worksheet (4 and 5) on the MyMaths Website.</p> <p>www.mymaths.co.uk</p> <p>Log on with your individual logins (email me if you can't get on)</p> <p>Work through the exercise then attempt the homework.</p>	<p>Task 3</p> <div></div> <p>(Only if you have a printer or can annotate the pdf somehow or can draw them out) Venn Diagrams on Maths Genie:</p> <p>Video: Venn Diagrams</p> <p>Answer as many of these as you can</p> <p>Answers: Venn Diagrams</p>	<p>Task 4</p> <p>Create a poster/PowerPoint/revision cards on Venn Diagrams.</p> <p>Website to help:</p> <p>BBC Bitesize – Venn Diagrams</p> <p>MathsisFun (The Questions at the bottom are set on Task 5)</p>																
<p>Task 5</p> <div></div> <p>There are 10 questions at the bottom of the page on MathsIsFun in Task 4.</p> <p>MathsIsFun</p>	<p>Task 6</p> <p>Manga High: www.mangahigh.com/en-gb</p> <p>Attempt Venn Diagrams in Probability.</p> <p>If you redo the exercise you will start on the level reached last time. You get more points for answering harder questions!</p> <p>Try to get at least a bronze medal.</p>	<p>Task 7</p> <table><tr><td>Prove that $0.0\dot{2}\dot{3} = \frac{23}{990}$</td><td>Simplify $\frac{x^2 + 7x + 10}{7x + 35}$</td></tr><tr><td colspan="2">Securing Grade 7</td></tr><tr><td>Prove algebraically that $(2n + 1)^2 - (2n + 1)$ is an even number for all positive integers values of n.</td><td>Find the nth term of this sequence 9 12 17 24 33</td></tr><tr><td></td><td>Find the nth term of this sequence 5 11 21 35 53</td></tr></table> <p>Enlarged on next pages.</p>	Prove that $0.0\dot{2}\dot{3} = \frac{23}{990}$	Simplify $\frac{x^2 + 7x + 10}{7x + 35}$	Securing Grade 7		Prove algebraically that $(2n + 1)^2 - (2n + 1)$ is an even number for all positive integers values of n.	Find the nth term of this sequence 9 12 17 24 33		Find the nth term of this sequence 5 11 21 35 53	<p>Task 8</p> <table><tr><td>Prove that $0.6\dot{4} = \frac{29}{45}$</td><td>Simplify $\frac{2x + 7}{5} + \frac{4x - 9}{3}$</td></tr><tr><td colspan="2">Securing Grade 7</td></tr><tr><td>Prove that the sum of four consecutive whole numbers is always even.</td><td>Find the nth term of this sequence 7 13 23 37 55</td></tr><tr><td></td><td>Find the nth term of this sequence 4 10 18 28 40</td></tr></table> <p>Enlarged on next pages.</p>	Prove that $0.6\dot{4} = \frac{29}{45}$	Simplify $\frac{2x + 7}{5} + \frac{4x - 9}{3}$	Securing Grade 7		Prove that the sum of four consecutive whole numbers is always even.	Find the nth term of this sequence 7 13 23 37 55		Find the nth term of this sequence 4 10 18 28 40
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<p>Task 9</p> <div></div> <p>A great one here – Make your own Venn diagram! It can have two or three circles but it must be something unique that you have made and have something in all the sections (for two circles) or most of them (for three circles). Best ones will be shared next week, there are some great examples below!</p>	<p>Task 10</p> <div></div> <p>Put these statements in the right places on the Venn diagram</p> <div></div> <p>These images are enlarged below</p> <table><tr><td>1. The game uses a ball.</td><td>6. The teams do not use dugouts.</td></tr><tr><td>2. Two teams play against each other.</td><td>9. The game has 4 bases.</td></tr><tr><td>3. The players need to run.</td><td>10. The ball is hit off a tee.</td></tr><tr><td>4. The players wear uniforms.</td><td>11. A net is used.</td></tr><tr><td>5. The ball is hit with a stick-like piece of equipment.</td><td>12. Players can drive small carts on the course.</td></tr><tr><td>6. The ball is kicked.</td><td>13. The game is shown on TV.</td></tr><tr><td>7. Players wear special shoes.</td><td>14. The players can not score a hole-in-one.</td></tr></table>	1. The game uses a ball.	6. The teams do not use dugouts.	2. Two teams play against each other.	9. The game has 4 bases.	3. The players need to run.	10. The ball is hit off a tee.	4. The players wear uniforms.	11. A net is used.	5. The ball is hit with a stick-like piece of equipment.	12. Players can drive small carts on the course.	6. The ball is kicked.	13. The game is shown on TV.	7. Players wear special shoes.	14. The players can not score a hole-in-one.	<p>Task 11</p> <p>Answer this Riddle:</p> <div><p>Find out the highest possible no. by moving only 2 match sticks</p></div>	<p>Task 12</p> <p>Go to the Quizizz website</p> <div></div> <p>Click on the green Practice button > Click Play > Click Skip for now (where it asks you to sign up) > and then the green Play quiz button.</p> <p>Attempt the 20 Questions on Venn diagrams. Screenshot how well you did!</p>		
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Task 9 Examples



Task 7

Prove that

$$0.\dot{0}2\dot{3} = \frac{23}{990}$$

Simplify

$$\frac{x^2 + 7x + 10}{7x + 35}$$

Securing Grade 7

Week 1

Prove algebraically that

$$(2n + 1)^2 - (2n + 1)$$

is an even number for all
positive integers values of n.

Find the nth term of this sequence

9 12 17 24 33

Find the nth term of this sequence

5 11 21 35 53

Task 8

Prove that

$$0.6\dot{4} = \frac{29}{45}$$

Simplify

$$\frac{2x + 7}{5} + \frac{4x - 9}{3}$$

Securing Grade 7

Week 2

Prove that the sum of four consecutive whole numbers is always even.

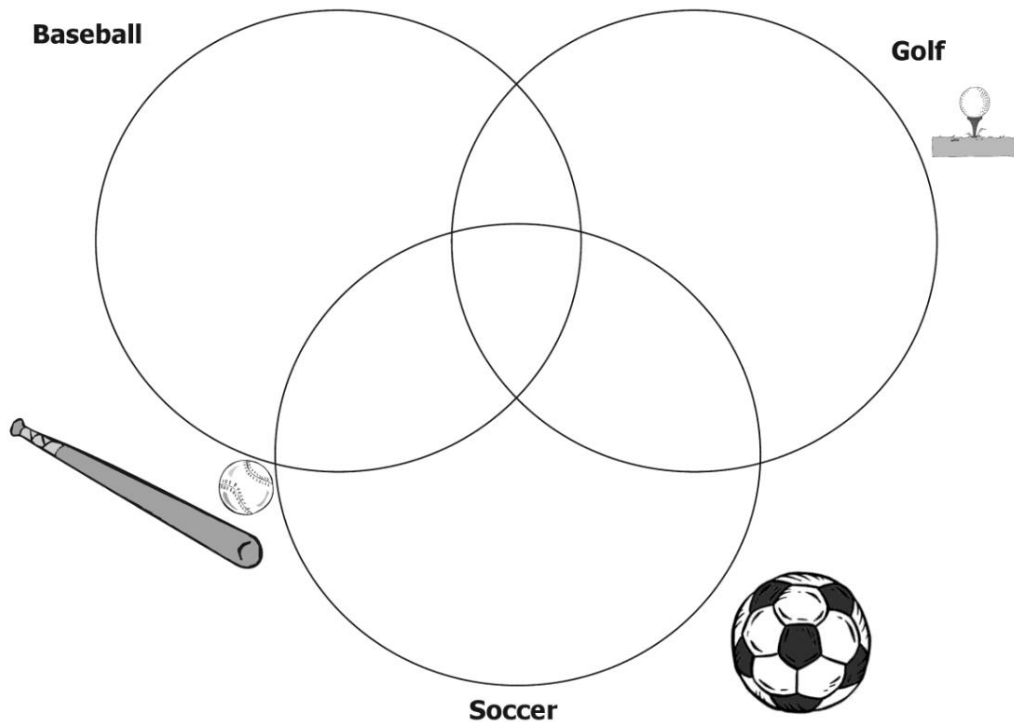
Find the nth term of this sequence

7 13 23 37 55

Find the nth term of this sequence

4 10 18 28 40

Task 10



1. The game uses a ball.
2. Two teams play against each other.
3. The players need to run.
4. The players wear uniforms.
5. The ball is hit with a stick-like piece of equipment.
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